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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/072,404	02/08/2002	Paul H. Steen	19603/3810 (CRF D-2693) 4794		
. 75	90 12/09/2003		EXAMINER		
Gunnar G. Leinberg, Esq.			TRAN, LEN		
NIXON PEABODY LLP Clinton Square			ART UNIT	PAPER NUMBER	
P.O. Box 31051			1725		
Rochester, NY 14603			DATE MAILED: 12/09/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

					808			
		Application	n No.	Applicant(s)				
Office Action Summary		10/072,404	Į.	STEEN, PAUL H.				
		Examiner		Art Unit				
		Len Tran		1725				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status								
1)⊠	Responsive to communication(s) filed on $\underline{1}$	17 April 2003.						
2a) <u></u> □	This action is FINAL . 2b)⊠ This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims				•			
5)□ 6)⊠ 7)□	 Claim(s) 1-12 and 24-32 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-12 and 24-32 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement. 							
	ion Papers		14					
	•							
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
٠٠/	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. §§ 119 and 120							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. 								
Attachmen								
2) 🔲 Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No) :	4) Interview Summary (5) Notice of Informal Pa 6) Other:					

DETAILED ACTION

Election/Restrictions

1a. Applicant's election of group I, claims 1-12, 24-32 in Paper No. 8 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-5, 7, 8, 10-12, 24-28, 30, and 32 are rejected under 35 U.S.C. 102(b) as being anticipated by Sato et al (US 4,600,048).

Sato et al disclose a system for controlling solidification of the molten metal comprising a substrate (1), a writing system (9), an erasing system (17), the writing system is for imposing a thermal gradient on the substrate, wherein the writing system is a laser, a drive system (2), a container for molten metal, a nozzle connected to the container, and a pressure system to apply pressure dispense on the nozzle on to the substrate (figure 1).

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Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

mamor in which the invention was made.

4. Claims 6, 9, 29, and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Sato et al (US 4,600,048).

Sato et al disclose the claimed invention above, but fail to teach casting with a belt and a

prism to reflect light.

However, Sato et al disclose that strip casting can be used in either a roller or a belt. In

addition, Sato et al disclose using laser with a condenser lens. Therefore, substituting a

condenser len with a prism would have been obvious to one of ordinary skill in the art, since

both devices are functionally equivalent.

Inquiry

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Len Tran whose telephone number is (703)605-1175. The

examiner can normally be reached on M-F, 8:30 - 5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on 703-308-3318. The fax phone number for the organization where this application or proceeding is assigned is (703)305-3602.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0661.

Len Tran Examiner Art Unit 1725

LT December 2, 2003

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